next following sample container is advanced to the lid-opening device (50).

10. The analyzer system of claim 2, wherein the analyzer module (16) is adapted to cooperate with a control arrangement comprising at least one program to control the movements of the analyzer system, and further comprising at least one sensor mark (8, 30) on the sample tray (4) and a stationary reader device (7, 28) for the sensor mark (8, 30), said reader device being located on at least one of the base housing (1), the analyzer module (16), and the lid-opening device (50), said at least one sensor mark (8, 30) and said reader device (7, 28) being operable to control at least one of the sample tray (4) and the lid-opening device (50).

11. The analyzer system of claim 10, wherein the sensor mark (30) is designed for non-destructively releasable attachment to the sample tray (4) through a fastening arrangement (29) adjacent to at least one of the holding accommodations (5).

12. The analyzer system of claim 2, wherein the analyzer module (16) is adapted to cooperate with a control arrangement comprising at least one program to control the movements of the analyzer system, and wherein further the control arrangement is adapted to cooperate

with a keypad (112, 112').

13. The analyzer system of claim 12, wherein the keypad (112') is connected to the base housing (1).

14. The analyzer system of claim 3, wherein the lid (32') is made of a non-magnetic material containing a magnet-anchor element (55).

15. The analyzer system of claim 14, wherein the magnet-anchor element (55) is covered by a layer (56) of the non-magnetic material, said layer defining a prescribed distance (d).

16. The analyzer system of claim 15, wherein the magnet-anchor element (55) is completely encased in the non-magnetic material.

17. The analyzer system of claim 16, wherein the non-magnetic material is a polymer material and the magnet-anchor element is molded into the polymer material.

18. The analyzer system of claim 14, wherein the magnet-anchor element is ring-shaped, substantially as wide as the electromagnet (51) is from one pole to the other, and approximately centered in the lid (32').

19. The analyzer system of claim 14, wherein the lid (32') comprises at least one of a centering projection (58) and a centering recess for centering the lid (32') on the sample container (32).